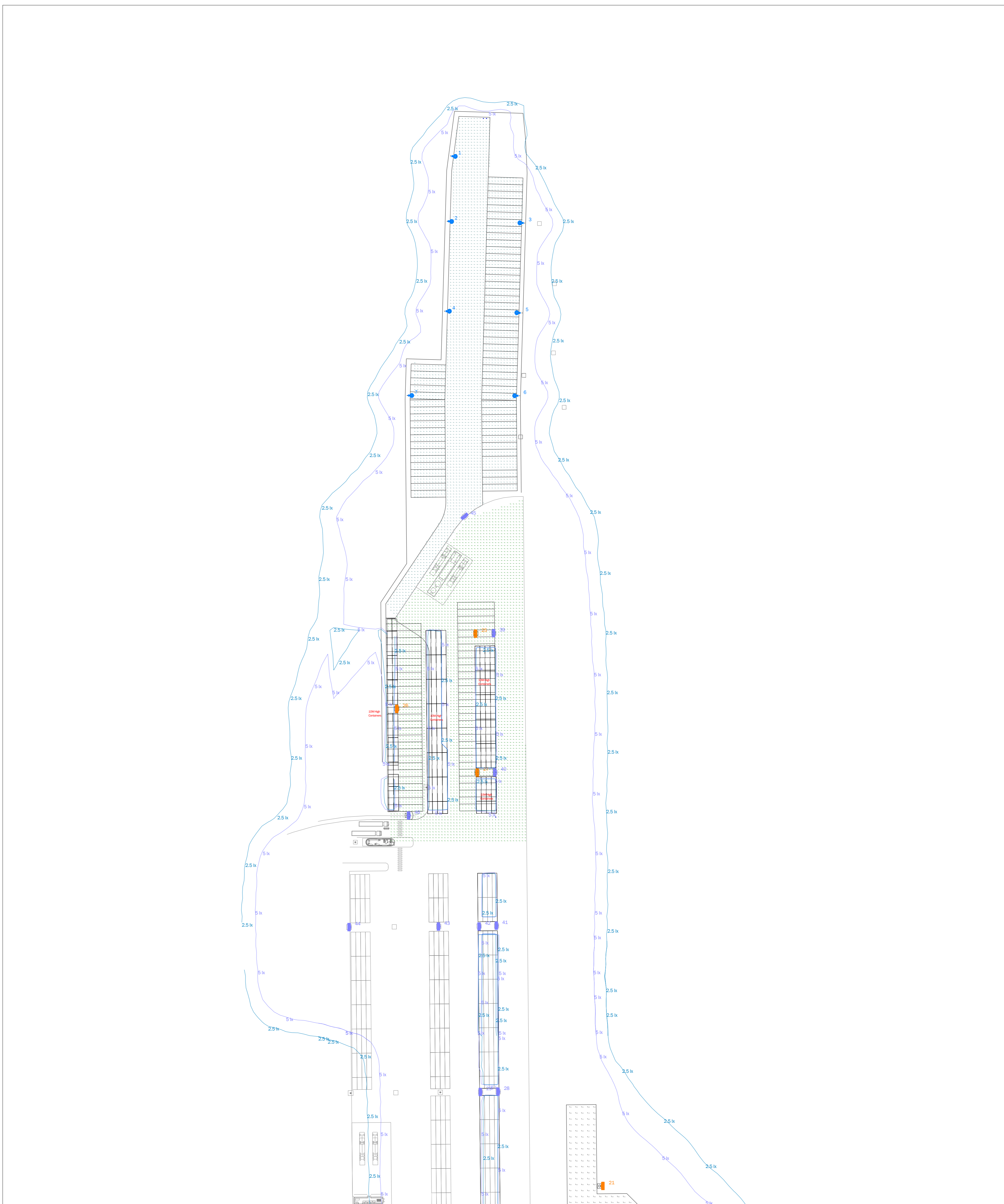
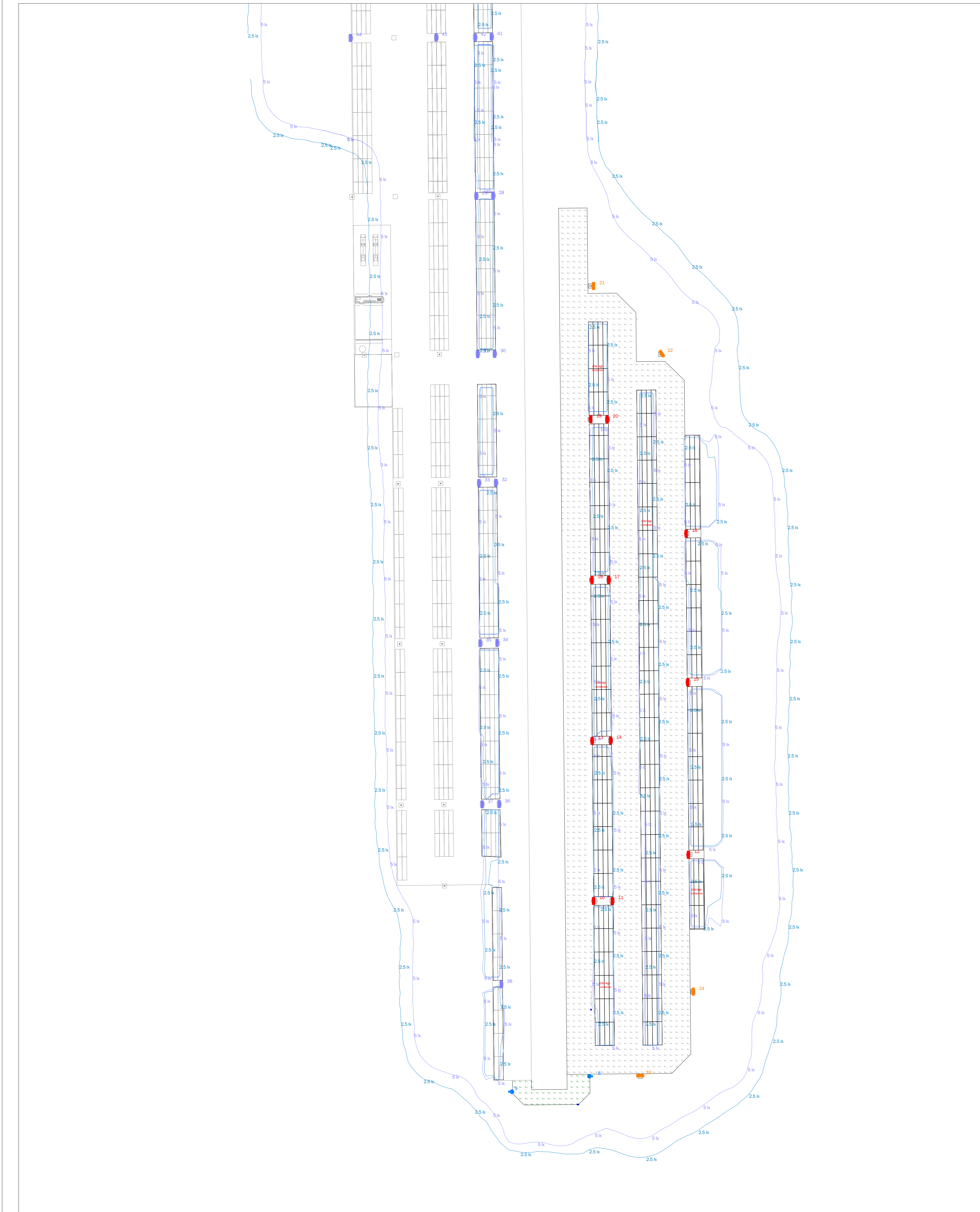
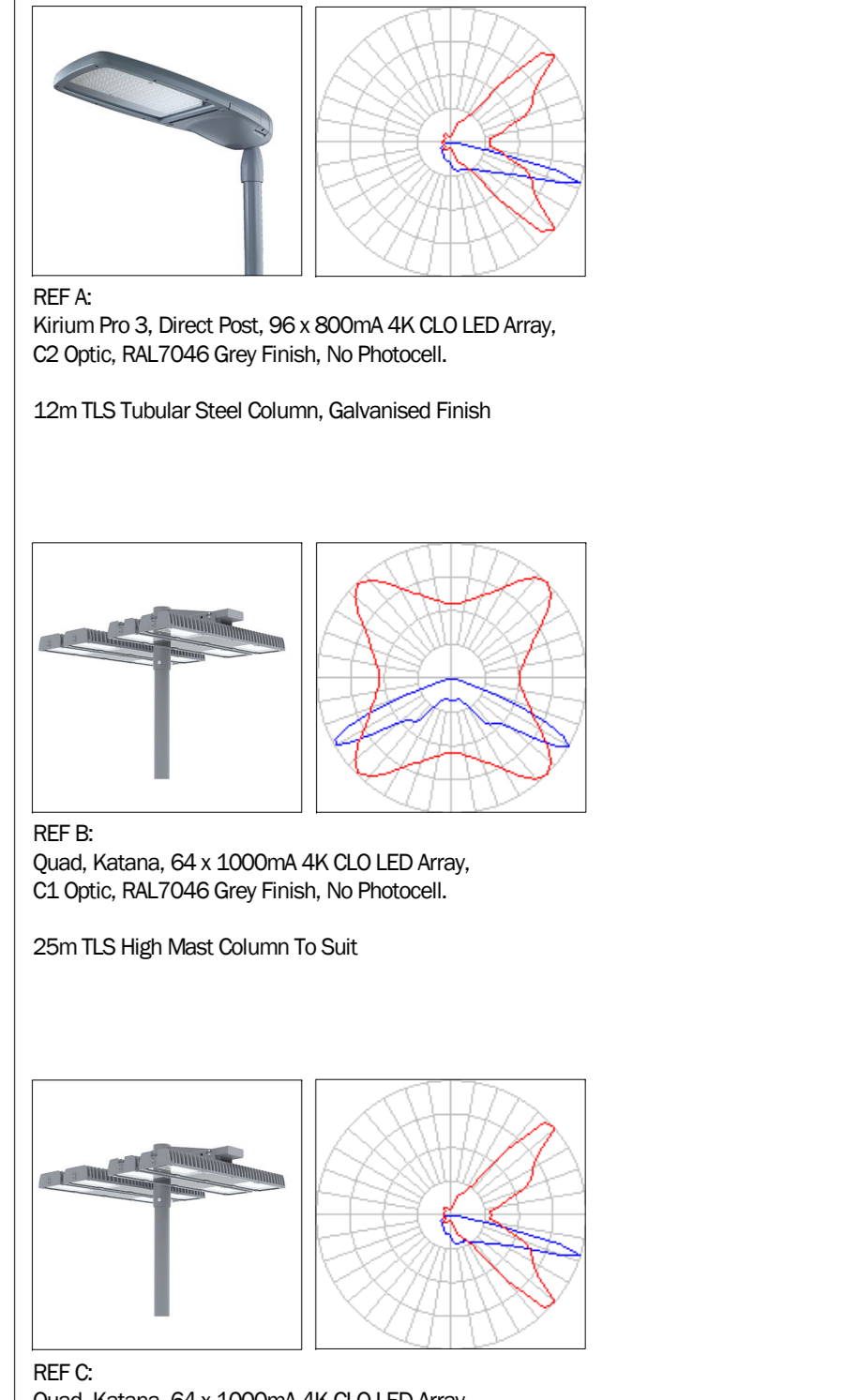


Luminaire Schedule	Ref	Qty	Config	Outreach	Description	Lumens	Cutoff Class	Total MF	Unit Watts	Config Watts
A	9	Single	O		KIRLUM PRO3 36LED 4k C2 CLO 800mA LMSUG 42 0203 0000 100	29217	Full Cutoff	0.920	203	203
B	14	4 One Way	O		Quad Katana 3. 64LED 4k C2 1000mA LMSUG 42 0198 0000 100	30386	Full Cutoff	0.920	198	792
C	7	4 One Way	O		Quad Katana 1. 64LED 4k C2 1000mA LMSUG 42 0198 0000 100	29767	Full Cutoff	0.920	198	792
Z	19	4 One Way	O		Ph3 Quad Katana 1. 64LED 4k C1 1000mA LMSUG 42 0198 0000 100	30386	Full Cutoff	0.920	198	792

LFP: BS5489-1:2020 (Annex D2) = 1.0 Based on CLO LED Data
 SF: BS5489-1:2020 (Annex D2) = 1.0
 LMP: BS5489-1:2020 (Table C1) = 72 Mvhr
 EL/C2 >M-TLS = 0.62
 LFP*SF*LMP = Total MF

Calculation Summary	Measurement	Units	Eav	Emax	Emin	Uo	Ud	X Pitch	Y Pitch
10M Container Storage	Illuminance	Lux	30.41	63.7	7.5	0.25	0.12	1.5	1.5
15M Container Storage	Illuminance	Lux	23.04	58.1	6.6	0.29	0.11	3	3
HGV Parking	Illuminance	Lux	20.88	39.1	7.5	0.36	0.19	1.5	1.5
Run Around Area	Illuminance	Lux	27.33	48.5	16.3	0.67	0.38	3	3

Luminaire Location Summary	Col Id	Ref (Qty)	X	Y	Z (Height)	Angle	Tilt	Dimming
1	A(1)	447211.024	327724.802	12	395.721	0	1.00	
2	A(1)	447209.352	327692.951	12	366.843	0	1.00	
3	A(1)	447246.493	327691.188	12	177.762	0	1.00	
4	A(1)	447208.095	327646.795	12	0	0	1.00	
5	A(1)	447244.809	327645.957	12	176.619	0	1.00	
6	A(1)	447243.866	327604.272	12	180	0	1.00	
7	A(1)	447189.302	327604.377	12	0	0	1.00	
8	A(1)	447286.072	326791.166	12	179.828	0	1.00	
9	A(1)	447242.355	326783.05	12	359.971	0	1.00	
10	B(4)	447286.719	326883.322	25	180	0	1.00	
11	B(4)	447296.633	326883.322	25	0	0	1.00	
12	B(4)	447338.616	326907.593	25	180	0	1.00	
13	B(4)	447286.075	326967.468	25	180	0	1.00	
14	B(4)	447285.703	326967.632	25	0	0	1.00	
15	B(4)	447338.26	326996.228	25	180	0	1.00	
16	B(4)	447286.893	327052.046	25	180	0	1.00	
17	B(4)	447284.728	327052.046	25	0	0	1.00	
18	B(4)	447285.468	327076.425	25	180.957	0	1.00	
19	B(4)	447285.245	327136.824	25	180	0	1.00	
20	B(4)	447293.917	327136.46	25	0	0	1.00	
21	C(4)	447296.803	327206.616	25	180	0	1.00	
22	C(4)	447322.688	327171.046	25	213.386	0	1.00	
23	C(4)	447311.298	326791.47	25	90.499	0	1.00	
24	C(4)	447338.189	326835.672	25	180.951	0	1.00	
25	C(4)	447222.879	327484.582	25	180.525	0	1.00	
26	C(4)	447183.963	327446.695	25	0	0	1.00	
27	C(4)	447223.582	327414.639	25	180	0	1.00	
28	Z(4)	447233.982	327254.012	25	0	0	1.00	
29	Z(4)	447225.069	327253.878	25	0	0	1.00	
30	Z(4)	447234.767	327170.896	25	0	0	1.00	
31	Z(4)	447225.854	327170.762	25	0	0	1.00	
32	Z(4)	447235.493	327103.095	25	0	0	1.00	
33	Z(4)	447238.51	327102.961	25	0	0	1.00	
34	Z(4)	447236.995	327018.396	25	0	0	1.00	
35	Z(4)	447271.652	327018.802	25	0	0	1.00	
36	Z(4)	447237.098	326934.24	25	0	0	1.00	
37	Z(4)	447238.185	326934.106	25	0	0	1.00	
38	Z(4)	447238.249	326839.48	25	0	0	1.00	
39	Z(4)	447231.76	327484.6	25	0	0	1.00	
40	Z(4)	447232.987	327444.712	25	0	0	1.00	
41	Z(4)	447233.145	327337.611	25	0	0	1.00	
42	Z(4)	447234.884	327337.179	25	0	0	1.00	
43	Z(4)	447204.021	327337.179	25	0	0	1.00	
44	Z(4)	447159.038	327336.89	25	0	0	1.00	
45	Z(4)	447217.147	327543.585	25	300.387	0	1.00	
46	Z(4)	447188.997	327393.03	25	0	0	1.00	



BS EN 12464-2:2014
 5.7 Industrial sites and storage areas
 5.7.1 Short-term handling of large units and raw materials, loading and unloading of solid bulk goods
 20.0lx Eav
 0.25Uo

BS EN 12464-2:2014 (BS 5489-1:2020 Table 4)
 5.9 Parking Areas
 5.9.3 Heavy traffic, e.g. parking areas of major shopping centres, major sports and multipurpose building complexes
 20.0lx Eav
 0.25Uo

A 31/03/22 Based on client CAD DWG
 Issue: 01 Date: 31/03/22
 GDM Statement: Please note that this proposed lighting solution is a lighting solution that has been designed with information provided by the client. The solution does not include site, installation, engineering or air quality assessment considerations for COM.



Project: **East Midlands Gateway Phase 2**

Client: Mott MacDonald
 Project Management: Chris Ellis
 Lighting Design: Martin Brewer
 All measurements in Metres & Lux. Do not scale from this drawing.
 All product images are indicative.
 Filename: 22-110-1A - L1 East Midlands Gateway Phase 2.dwg
 Date: 31/03/2022
 Scale: 1:1000 @ A0
 Project Ref: Page 1 of 1